Model	RS-2104	RS-2208	RS-2212	RS-3232
System				
OS	Embedded Linux	Embedded Linux	Embedded Linux	Windows XP
LAN Port	Gigabit RJ-45 Ethernet port x 1	Gigabit RJ-45 Ethernet port x 2	Gigabit RJ-45 Ethernet port x 2	Gigabit RJ-45 Ethernet port x 2
USB Port	USB 2.0 x 1	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 6
Local Display	No	No	No	D-sub x 1, DVI x 1
Camera Support				
Max Camera # Support	4	8	12	32
Supported Devices	Compro IP cameras, Compro video servers, ONVIF cameras			
Camera Administration	Individually adjustable video settings for each camera			
Storage				
Internal HDD	1 x 3.5" SATA II HDD	2 x 3.5" SATA II HDD		2 x 3.5" SATA II HDD
HDD Capacity	Up to 3.0 TB	Up to 3.0 TB per disk		Up to 2.0 TB per disk
RAID Level	No	RAID 0, 1		
Live View				
Display Mode	1, 4-channel view, full screen	1, 4, 6, 8-channel view, full screen	1, 4, 6, 8, 9, 10, 12-ch view, full screen	1, 4, 6, 8, 9, 10, 13, 16, 17, 21, 25, 29, 32-ch view, full screen, sequential
Advanced Control	PTZ & IO control, preset point, IO, snapshot, talk, patrol/tracking mode, manual recording (camera dependent); RS-3232 additionally supports Emap and camera grouping			
Recording				
Compression Format	M-JPEG, MPEG4, H.264 (depending on the camera)			
Bitrate/Framerate	Up to 3 Mbps / 60 FPS per camera (depending on the camera)			
Pre-event Recording	Yes,up to 5 sec			
Post-event Recording	Yes,up to 300 sec			Yes,up to 30 sec
Recording Mode	Continuous, scheduled, event-triggered, manual			
Playback				
Search Mode	By date/time/channel/event; by timeline or smart search (RS-3232)			
Playback Control	Play, pause, next frame, previous frame, beginning, end, playback speed adjustment			
Advanced Playback Function	snapshot, digital zoom, file download; (for RS-3232) quad-channel playback, bookmark, time stamp			
Audio				
Compression	PCM G.711			
2-Way Audio Support	Yes			
Additional Features				
USB Backup	Yes			
ONVIF	ONVIF			
Intelligent Video Analytics	No			Intrusion/loitering/tampering/trip-wire detection
Web-based CMS	Yes, multi-server monitoring, event search and playback (up to 30 channels)			
General				
Client PC Requirements	Windows XP/ Vista/ 7 with IE 8.0 or later			
Certification	CE, FCC			
Operating Temperature	10~ 40 °C / 50 ~ 104 °F			0°C ~ 40°C (32°F ~ 104°F)
Power Requirements				
Power Supply	AC100~240V 50/60Hz in, DC 12V output	AC100~240V 50/60Hz in, DC 12V/4A output		AC110/220V (auto-switching)
Power Consumption	Max. 2.4W (without HDD)	Max. 6W (without HDD)		Max. 36.3W (idle, without HDD)
Physical				
Dimensions	200.6 x 52 x 131.8 mm (L x W x H)	239 x 100 x 42 mm (L x W x H)	239 x 100 x 42 mm (L x W x H)	300 x 200 x 250 mm (D x W x H)
Weight	1,114 g / 2.45 lb. (gross)	3,265 g / 7.19 lb. (gross)	3,265 g / 7.19 lb. (gross)	Net: 5,430 g (11.97 lb)

Camera Viewer App

Overview

Now there is a better way to check in on your home while on the go. Compro camera viewer app lets you view and control your Compro IP cameras installed in your home or condo right on your favorite mobile device.

The app can help you find peace of mind while you are away from home. You can see and hear your kids' activity from work, or check in on your furry, four-legged friends from anywhere in the world. All you need is a Compro IP camera and an Android or iOS device with 3G or WiFi Internet connection.

Compro PTZ camera users can also remotely change camera position with a swipe on the screen to pan and tilt. Better yet, the app supports 4-channel simultaneous monitoring mode, so you can instantly get the full picture of your home's security status.

Compro camera viewer app supports all network cameras in Compro IP series and NC series and will soon be available on Android and iOS.

Features:

- View and control Compro IP cameras on the go
- Listen in on your home remotely and broadcast your voice through camera
- Change camera position on the fly with a simple swipe
- Toggle camera's built-in infrared illuminators on/off remotely
- Save snapshots right to your smartphone
- Monitor up to four cameras at a time
- Remotely trigger or turn off sensors and alarms linked to camera

Compro Cloud Surveillance Solution for Enterprise

Overview

Compro cloud surveillance solution for enterprise is aimed at security service providers, telecom companies and SME like. The solution allows companies to establish and run a value-added home monitoring service on their own and provide it to existing clientele at a monthly service fee. By adopting Compro cloud surveillance solution, businesses can allow their service subscribers to remotely access their network cameras on a wide variety of Internet-connected devices, including iPhone® and Android™ phone. Users can also securely store video evidences in the Compro cloud server to insure against theft and loss of critical evidence.

Cloud server, users can access their cameras from any Internet-connected PC, Mac, smartphone, or tablet, and receive mobile notification when events occur. Besides, using the cloud service, users can remotely control their alarms and sensors in their homes and search for event recordings stored in the cloud server. The cloud service also allows for two-way audio communication with the monitored site. In addition, the cloud-based solution delivers uncompromising data security with its secure and proprietary protocol and bank-level data encryption, so sensitive video data is always protected and secure.

Compro cloud surveillance solution offers multi-faceted benefits. First, as the cloud solution enables configuration-free remote viewing, customer experience of your service is better, which in turn can help bring in more sales. Simpler configuration means less need for after-sales support, which saves money and effort. Second, the cloud surveillance solution can be smoothly integrated with existing billing system, streamlining the process for collecting service fees. Third, the solution can increase company's bottom line given that the revenue generated from monthly service fee collection can go beyond the profit of network camera sales in the long run. To top it off, Compro cloud solution comes with a complete user account management tool, making the daily grind of maintaining customer database a bit easier.

Solution Concept and Benefits

Compro cloud surveillance solution is founded on three cornerstones: Peer-to-Peer networking engine, cross-platform user clients, and high-level of data security. The intelligent networking engine behind Compro cloud solution automatically manages network connectivity for users and their network cameras and thereby achieves a configuration-free camera connection setup for end users. Through the

Compro Cloud Surveillance Solution

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COMPRO TECHNOLOGY

Professional IP Video Surveillance
April 2012 Guide

شرکت نظارت گستر ایمن نماینده انحصاری Compro در ایران

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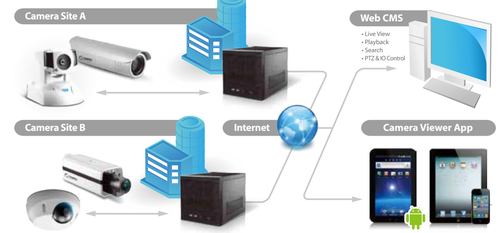
A Total Surveillance Solution from Compro

Compro offers a one-stop video surveillance solution to fulfill the security needs of small-and-medium businesses and large corporations. Whether you are in the market for surveillance cameras, network video recorders, video servers, or video management systems, Compro offers everything you need to build up a scalable and reliable surveillance network. Compro video surveillance solutions are superbly designed to meet the demanding requirements of security professionals and offer high price and performance ratio to give your business an edge over competitors.

In particular, Compro megapixel network cameras offer maximum accessibility, and can be remotely accessed on a wide variety of devices, including PC, smartphone, Mac, and tablet. The cameras can work in conjunction with Compro network video recorders to make an intelligent and automated surveillance system. A friendly designed web CMS mode is available to let security operators remotely monitor multiple IP cameras over the Internet, regardless of where they are. The web CMS feature allows for centralized management of different NVR servers spread across different locations, and hence puts the management of an entire security system at the fingertips of security operators. So no matter where they are, they can always rest easy that the entire surveillance system and the properties they monitored are all in safe hands.



Cloud-enabled Home Surveillance Solution

Compro cloud-enabled home surveillance solution lets you see what's going on in your home from any Internet-connected PC or mobile devices, so you can enjoy peace of mind on the go. With the cloud, Compro cameras can capture snapshots and recordings as events are detected, and save them to a secure cloud server, so the evidence is protected from theft and loss. You can also securely share camera video with your friends anywhere in the world. Mobile notification alerts you when an event isw triggered. Thanks to Compro cloud surveillance solution, now you can have peace of mind wherever you go.

	IP Series									NC Series								
Model	**IP70**	**IP60**	**IP540**	**IP570**	**IP570P**	**IP90**	**IP90P**	**IP550**	**IP550P**	**CS400P**	**NC150 / NC150R**	**NC450**	**NC1200**	**NC2200**	**NC3230**	**NC4230**	**NC1500**	**NC740 (4-CH Video Server)**
Camera																		
Indoor / Outdoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor	Indoor	Outdoor	Indoor	Indoor / Outdoor	Indoor / Outdoor	Outdoor	Indoor	Indoor
Megapixel Rating	1.3 MP	1.3 MP	1.3 MP	1.3 MP	1.3 MP	2 MP	2 MP	2 MP	2 MP	0.3 MP	1.3 MP	1.3 MP	2.0 MP	2.0 MP	2.0 MP	2.0 MP	5.0 MP (QSXGA)	N/A
Image Sensor	1/3" progressive scan CMOS	1/4 CMOS Megapixel Sensor	1/3" progressive scan CMOS	1/4" progressive scan CMOS	1/4" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/4" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	N/A
Lens	HD, f 4.0 mm, F1.5, fixed iris	HD, f 4.5 mm, F2.0, fixed iris	HD, f 4.0 mm, F1.5, fixed iris	HD, f 3.8 ~ 45.6 mm, F1.6 (wide) - F2.7 (tele), auto iris	HD, f 3.8 ~ 45.6 mm, F1.6 (wide) - F2.7 (tele), auto iris	HD, f 4.0 mm, F1.5, IR-corrected; focus adjustable	HD, f 4.0 mm, F1.5, IR-corrected; focus adjustable	HD, f 4.0 mm, F1.5, fixed iris	HD, f 4.0 mm, F1.5, fixed iris	4.0 mm, F1.5, fixed iris	Not included (DC-iris)	HD vari-focal lens, f 3~9 mm, F1.2~2.1	Not included (DC-iris)	Fixed iris, f 1.96mm, F 2.0	Tamron HD varifocal, f 3~9 mm, F1.2~2.1, auto iris, IR-corrected	Tamron HD varifocal lens, f 3~9 mm, F1.2~2.1	Not included (DC-iris)	N/A
Lens Mount	Board mount	-	Board mount	-	-	Board mount	Board mount	Board mount	Board mount	-	C / CS mount	-	C / CS mount	Board mount	-	-	C / CS mount	N/A
Field of View	60° (Horizontal)	46° (Horizontal)	60° (Horizontal)	52.8° (H) 4.49° (V)	52.8° (H) 4.49° (V)	60° (Horizontal)	60° (Horizontal)	60° (Horizontal)	60° (Horizontal)	50° (Horizontal)	N/A	31.7° ~ 93°° (Horizontal)	N/A	105° (Horizontal)	31.7° ~ 93° (Horizontal)	31.7° ~ 93° (Horizontal)	N/A	N/A
Day & Night	Yes (ICR, 6 IR LEDs)	No	Yes (ICR, 12 IR LEDs)	Yes (ICR, 12 IR LEDs)	Yes (ICR, 12 IR LEDs)	Yes (ICR, 6 IR LEDs)	Yes (ICR, 6 IR LEDs)	Yes (ICR, 12 IR LEDs)	Yes (ICR, 12 IR LEDs)	Yes (ICR, 30 IR LEDs)	Yes (ICR on 150/150R, 12 IR LEDs on 150R)	Yes (ICR, 18 IR LEDs)	Yes (ICR, 12 IR LEDs)	No (IR-cut filter only)	Yes (ICR, 18 IR LEDs)	Yes (ICR, 18 IR LEDs)	Yes (ICR, 12 IR LEDs)	N/A
Video																		
Compression Format	H.264 / MPEG-4 / M-JPEG			H.264 / MPEG-4 / M-JPEG						H.264 / MPEG-4 / M-JPEG					H.264 / MPEG-4 / M-JPEG			H.264 / M-JPEG
Max. Resolution	1280 x 1024			1280 x 1024	1600 x 1200					640 x 480	1280 x 1024		1600 x1200		1600 x1200		2560x1920	720 x 480 / 720 x 576
Max. Frame Rate	30 FPS at 640 x 480; 15 FPS at 1280 x 1024			30 FPS at 640 x 480; 15 FPS at 1280 x 1024	30 FPS at 640 x 480; 15 FPS at 1280 x 1024	30 FPS at 720P; 15 FPS at 1600 x 1200		15 FPS at 1600 x 1200; 30 FPS at 1280 x 720 (720P)		30 FPS at 640 x 480	30 FPS at 640 x 480; 15 FPS at 1280 x 1024		30 FPS at 1280 x 720; 15 FPS at 1600 x 1200		30 FPS at 1280 x 720; 15 FPS at 1600 x 1200		10 FPS at 2560x1920; 20 FPS at 1920 x 1080	120/100 FPS (total) at 720 x 480 / 720 x 576
Streaming	Dual video streaming			Dual video streaming						Dual video streaming					Dual video streaming			Quad video streaming (BNC in x 4)
PTZ																		
Mechanical Pan / Tilt	No	Pan -170 ~ +170°; Tilt -10 ~ +90°		Pan -170 ~ +170°; Tilt -10 ~ +90°	No			Pan -170 ~ +170°; Tilt -10 ~ +90°		No			No	No	Manual 360° pan, 120° tilt, 360° rotation	No	No	RS-232/422/485 x 4
Zoom	10x digital	10x digital, 2x lossless (adaptive mode)	12x optical, auto focus, 10x digital	12x optical, auto focus, 10x digital	10x digital					10x digital		3X manual optical, 10x digital	10x digital	10x digital	3x manual optical, 10x digital (total 30x)		10x digital	
Audio																		
Audio Support	Two-way			Two-way						No	Two-way			One-way	Two-way			
Built-in Mic & Speaker	Yes	Built-in mic and audio output		Built-in mic and audio output	Yes			Built-in mic and audio output		No	Built-in mic and audio output	No (mic in, audio line out)	Built-in mic and audio output	Built-in mic	No (mic in x 1, audio line out x 1)		Built-in mic and audio output	No (mic in x 4, audio line out x 4)
Audio Detection	Yes (sensitivity adjustable)			Yes (sensitivity adjustable)						No	Yes (sensitivity adjustable)			Yes (sensitivity adjustable)				
System Integration																		
ONVIF	No			No	ONVIF					No			ONVIF		ONVIF			No
Alarm Input / Output	In x 2, relay out x 1	In x 3, relay out x 3 (via optional IO expansin box)		In x 3, relay out x 3 (via optional IO expansin box)	In x 2, relay out x 1			In x 3, relay out x 3 (via optional IO expansin box)		No	In x 1, relay out x 1		In x 1, relay out x 1	No	In x 2, relay out x 2	In x 1, relay out x 1		In x 8, transistor out x 8
RS-485 Port	No			No	No	Yes		No		No	Yes		Yes	No		Yes		Yes (x 4)
Remote Surveillance																		
Mobile Surveillance	Mobile viewer app for iPhone® and Android™; M-JPEG and 3GPP streaming on feature phones		M-JPEG and 3GPP streaming on mobile phones via Compro WebVUer	Mobile viewer app for iPhone® and AndroidTM; M-JPEG and 3GPP streaming on feature phones						Mobile viewer app for iphone "and Android"; M-JPEG and 3GPP streaming on feature phones					M-JPEG and 3GPP streaming on feature phones			
Web Surveillance	Multi-channel WebVUer on IE and non-IE browsers (features vary)			Multi-channel WebVUer on IE and non-IE browsers (features vary)						Multi-channel WebVUer on IE and non-IE browsers (features vary)					Multi-channel WebVUer on IE and non-IE browsers (features vary)			
Network																		
Ethernet	10/100 Base-T, auto-sensing, RJ-45			10/100 Base-T, auto-sensing, RJ-45						10/100 Base-T, auto-sensing, RJ-45					10/100 Base-T, auto-sensing, RJ-45			
Wireless Connectivity	IEEE 802.11 b/g/n (external/optional adapter)			IEEE 802.11 b/g/n (external/optional adapter)						No					No			
Additonal Features																		
Memory Slot	microSDHC			microSDHC						microSDHC		microSDHC (built-in 2GB storage)	microSDHC	microSDHC (built-in 4GB storage)			microSDHC	SDHC
Analog Video Output	No			No	RCA output			No		No			BNC output	RCA output	RCA output	BNC output		No
Intelligent Video Analytics	Motion detection			Motion detection						Auto tracking; motion/tampering/loitering detection	Motion detection, tampering detection, loitering detection				Motion detection, tampering detection, loitering detection			Motion detection
Ingress Protection Rating	No			No						No	No	IP66	No	IP66			No	No
Operating Temperature	5 ~ 40 °C / 41 ~ 104 °F			5 °C ~ 40 °C / 41 ~ 104 °F						0~ 50 °C / 32 ~ 122 °F	5 ~ 40 °C / 41 ~ 104 °F	-20~ 55 °C / -4 ~ 131 °F	5 ~ 50 °C / 41 ~ 122 °F	-20~ 55 °C / -4 ~ 131 °F	-20~ 55 °C / -4 ~ 131 °F		5 ~ 50 °C / 41 ~ 122 °F	0~ 50 °C / 32 ~ 122 °F
Power Requirements																		
Power Supply	DC 5V		DC 12V or PoE	DC 12V	DC 12V or PoE	DC 5V	DC 5V or PoE	DC 12V	DC 12V or PoE	DC 12V or PoE	DC 12V, AC 24V or PoE	DC 12V, AC 24V or PoE	DC 12V, or PoE	PoE	DC 12V, or PoE	DC 12V, or PoE	DC 12V, or PoE	DC 12V, AC 24V
Power-over-Ethernet	No		IEEE 802.3af Class 3	No	IEEE 802.3af Class 3	No	IEEE 802.3af Class 3	No	IEEE 802.3af Class 3	IEEE 802.3af Class 3	IEEE 802.3af Class 3	IEEE 802.3af Class 3	IEEE 802.3af Class 3	IEEE 802.3af Class 3	IEEE 802.3af Class 3	IEEE 802.3af Class 3	IEEE 802.3af Class 3	No
Physical																		
Dimensions	84 x 124.5 x 91.5 mm (inclu. bracket)		105.1 x 125.5 x 128.6 mm	105.1 x 125.5 x 128.6 mm	105.1 x 125.5 x 128.6 mm	84 x 124.5 x 91.5 mm (includ. bracket)	84 x 124.5 x 91.5 mm (inclu. bracket)	105.1 x 125.5 x 128.6 mm	105.1 x 125.5 x 128.6 mm	148.5 x 77 x 74 mm (LxWxH)	185 x 60 x 60 mm (connectors incl.)	264 x 77 x 74 mm (inclu. sun shroud & connector)	185 x 60 x 60 mm (connectors incl.)	103mm x Ø100 x 56 mm (L x W x H)	Ø 160 x 135 mm	264 x 77 x 74 mm (connectors incl.)	185 x 60 x 60 mm (connectors incl.)	170 x 145 x 45 mm (connectors incl.)
Weight (Gross)	721 g (1.59 lb.)		1,568 g (3.45 lb.)	1,820 g (4.01 lb.)	1,803 g (3.97 lb.)	742 g (1.63 lb.)	742 g (1.63 lb.)	1,600 g (3.52 lb.)	1,600 g (3.52 lb.)	0,55 kg	608 g (1.34 lb.)	1,613 g (3.55 lb.)	608 g (1.34 lb.)	520 g (1.14 lb.)	2,443 g (5.38 lb.)	1,613 g (3.55 lb.)	608 g (1.34 lb.)	1,170 g (2.57 lb.)